

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-220315
(43)Date of publication of application : 30.08.1996

(51)Int. Cl. G02B 5/126

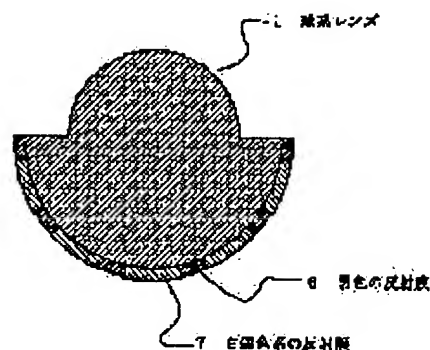
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(54) VARIABLE COLOR REFLECTION ELEMENT

(57) Abstract:

PURPOSE: To obtain a variable color reflection element having high reflectivity by providing the reflection surface of a spherical lens having a front surface as an incident surface and a rear surface as a reflection surface with 2 colors of reflection films.

CONSTITUTION: The reflection surface of the spherical lens 1 consisting of a transparent acrylic resin is provided with the reflection films 6 of black and the reflection film 7 of a white silver color system to a concentric or stripe form by silk printing, etc. The spherical lens 1 is mounted at a cell and is fixed by bolts to guard rails, etc., and is used as a reflector. The luminous fluxes from the headlights during driving in the nighttime move while focusing on the reflection films of the black and white silver color system alternately formed on the reflection surfaces of the spherical lenses 1 and, therefore, the reflected light thereof is recognized by the driver of the vehicle as if the reflected light flickers. Then, the visibility of the guard rails and central separators, etc., in the nighttime is exceedingly improved and a high effect is expected in preventing the traffic accidents, etc., arising from the insufficiency of the visual recognition in the night time.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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